I claim:

1. A composition for transdermal administration of therapeutically active compounds and/or nutrients, which comprises

(a) at least one therapeutically active compound and/or at least one nutrient, and

(b) a non-oily emulsion.

2. Composition for transdermal administration according to claim 1, characterised in that the therapeutically active compound or nutrient is an ionic compound.

3. Composition for transdermal administration according to claim 2, characterized in that the ionic compound is a metal ion.

4. Composition according to claim 1, characterised in that the therapeutically active compound is a polypeptide.

5. Composition according to claim 4, characterised in that the polypeptide has a molecular weight of up to 7000 kDa.

6. Composition according to claim 1, characterised in that the therapeutically active compound is an antiparasitic agent, anthelmintic or antibiotic drug, used for the treatment of humans, livestock or domestic animals.

7. Composition according to any one of the proceeding claims, characterised in that the non-oily emulsion is a mixture of lecithin, bile salt and cholesterol.

8. Composition according to claim 7, characterised in that lecithin is present in an amount of 2–15 % (w/v), bile salt is present in an amount of 2-15 % (w/v), and cholesterol is present in an amount of 2–15 % (w/v), in relation to the non-oily emulsion.

9. Composition according to claim 7 or 8, characterised in that the ratio by weight of lecithins, bile salts and cholesterol is 2:1:1.

10. Composition according to any one of the proceeding claims, characterised in that the sum of the amounts of lecithins, bile salts and cholesterol constitutes 6-30 % (w/v) of the non-oily emulsion.

11. Composition according to any one of the proceeding claims, characterised in that the composition further contains an organic sulfur compound.

12. Composition according to claim 11, characterised in that the organic sulfur compound is present in an amount of 2-30 % (w/v) and preferably in an amount of 4-25 % (w/v), in relation to the non-oily emulsion.

13. Composition according to claim 11 or 12, characterised in that the organic sulfur compound is selected from the group comprising of dimethylsulfoxide,

methylsulfonylmethane, 2,3-dimethylsulfolane, and 2,4-dimethylsulfolane and sodium lauryl sulfate.

14. Use of the composition according to any one of claims 1 to 13 for the manufacture of a cream, gel, lotion, suppositories, ointment, patch (TTS) for transdermal administration of active substances, preferably nutrients and/or medications.

15. Use of the composition according to any one of claims 1 to 13 for transdermal administration of active substances, preferably nutrients and/or medications.